**Index of Claims** 

| Application | n/Control | No. |
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10/706,990

Examiner

Alexis Boateng

Applicant(s)/Patent under Reexamination

KOH ET AL.

Art Unit

2838

|   | <b>√</b> | Rejected |
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| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| Z     | Non-Elected  |
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| <br>_ | Interference |

| A | Appeal   |
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|            |  |  |              |              |          |              |          |           |          |          |  |
| Cla        | aim  |  |              |              | [        | Date         | e        |           |          |          |  |
|            | <b>—</b>   |  |              |              |          |              |          |           |          |          |  |
| Final      | Original   | 8/11/05  |              |              |          |              |          |           |          |          |  |
| <u>  [</u> | rig  | 1  |              |              |          |              |          |           |          |          |  |
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|            | 1  | 7  | -            | ├            | -        | $\vdash$     |          |           |          | Н        |  |
|            | 1<br>2<br>3<br>4<br>5  | -V   | $\vdash$     | -            | -        |              |          | <b></b> - |          | H        |  |
|            |  | Y  | <u> </u>     | -            | <u> </u> | L            | ļ        | _         | _        | H        |  |
|            | 3  | ٧  | <u> </u>     | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> |           | _        | Ш        |  |
|            | 4  | 1  | _            | _            |          | L            | _        | _         | ļ        | 1_1      |  |
|            | 5  | ۷  |              |              | <u> </u> |              | <u> </u> |           |          | Ш        |  |
|            | 6  | 1  |              |              |          |              |          |           |          | Ш        |  |
|            | 7  | 1  |              |              |          |              |          |           |          |          |  |
|            | 8  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            |              |              |          |              |          |           |          | $\Box$   |  |
|            | 9  | V  | $\vdash$     | Г            |          |              | _        | T         |          |          |  |
|            | 10   | V  | $\vdash$     | Т            |          |              |          | _         | _        | Н        |  |
|            | 11   | j  | -            | $\vdash$     |          | $\vdash$     | -        | H         |          | H        |  |
|            | 12   | 1  | ├            | $\vdash$     |          | H            |          | $\vdash$  | $\vdash$ | Н        |  |
| -          | 12   | 7  | <del> </del> | $\vdash$     | ⊢        | $\vdash$     | -        | ⊢         | $\vdash$ | Н        |  |
|            | 13   | <del>'</del>                                     |              | <u> </u>     | -        |              | $\vdash$ |           |          |          |  |
|            | 14   | ļΫ́  |              |              | _        |              | _        | _         | ļ        |          |  |
|            | 15   | 1  |              |              | _        |              | L        |           |          | Ш        |  |
|            | 16   | 1  |              |              | L        |              | L        |           |          |          |  |
|            | 17   | V  |              |              |          |              |          |           |          |          |  |
|            | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18         | 1  |              |              | Г        |              | Π        |           |          |          |  |
|            | 19   | 1  |              |              |          |              |          |           |          |          |  |
|            | 20   | 1  | _            | _            |          |              |          |           |          |          |  |
|            | 21   | J  | $\vdash$     | ┢            | _        |              |          |           | $\vdash$ | Н        |  |
|            | 22   | J  | $\vdash$     | ⊢            | -        |              |          |           |          | Н        |  |
|            | 22   | 1  | <del> </del> | <del> </del> | $\vdash$ |              | $\vdash$ |           |          | $\vdash$ |  |
|            | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 | <del>`</del>                                     | ├            | $\vdash$     | $\vdash$ |              |          |           |          | $\vdash$ |  |
|            | 24   | Y  |              | <u> </u>     |          |              |          |           |          | $\vdash$ |  |
|            | 25   | ٧  | _            | _            | _        | _            |          | <u> </u>  |          | Ш        |  |
|            | 26   | 1  | <u></u>      | <u> </u>     | _        |              |          |           |          | Ш        |  |
|            | 27   | 1  | _            | L_           | _        |              |          |           |          | Ш        |  |
|            | 28   | √  |              | _            |          |              |          | <u> </u>  |          | Ш        |  |
|            | 29   | 1  |              | L            |          |              |          |           |          | Ш        |  |
|            | 30   | 1  |              |              |          |              |          |           |          |          |  |
|            | 31   | 1  |              |              |          |              |          |           |          |          |  |
|            | 32   | 1  |              |              |          |              |          |           |          |          |  |
|            | 32<br>33   | ファ         |              |              |          |              |          |           |          |          |  |
|            | 34   | Г  |              |              |          |              |          |           |          | П        |  |
|            | 34<br>35   | Т  | Т            | $\vdash$     |          |              |          | Г         |          |          |  |
|            | 36   |  | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$     | Н        |           | $\vdash$ | H        |  |
|            | 37   | <del>                                     </del> |              | $\vdash$     | $\vdash$ | <del> </del> |          |           |          | Н        |  |
|            | 37<br>38   | $\vdash$   |              | $\vdash$     | $\vdash$ | $\vdash$     |          |           | -        | Н        |  |
|            | 30   | $\vdash$   | <u> </u>     | ⊢            | ⊢        | $\vdash$     |          |           | $\vdash$ | Н        |  |
|            | 39   | _  |              | <u> </u>     | <u> </u> | -            |          | _         | _        | Н        |  |
|            | 40   | L_   |              | _            | ļ        | $\vdash$     | _        |           | _        | Ы        |  |
|            | 41   | Ш  | L.,          | L_           | <u> </u> | <u> </u>     | Щ        |           |          | Ш        |  |
|            | 42   |  | L            | <u>_</u>     |          | L            |          | L.        | <u> </u> | Ш        |  |
|            | 43   |  | L            | L            | L        |              |          |           | L        | LJ       |  |
|            | 44   |  |              |              |          |              |          |           |          | П        |  |
|            | 45   |  |              | Г            |          |              |          |           |          | П        |  |
|            | 46   | m  |              |              | <u> </u> |              |          |           | $\vdash$ | Н        |  |
|            | 47   | $\vdash$   | -            | $\vdash$     | $\vdash$ |              | _        |           |          | Н        |  |
|            | 48   | $\vdash$   | $\vdash$     | $\vdash$     |          |              |          |           | -        | Н        |  |
| -          | 40   | $\vdash$   | -            | $\vdash$     | H        |              |          |           | -        | Н        |  |
|            | 49   | $\vdash$   | <u> </u>     | $\vdash$     | $\vdash$ | <u> </u>     | _        | <b></b> - | <u> </u> | Н        |  |
|            | 50   |  | 1            | I            |          |              |          |           |          | ıl       |  |

| Claim    | Г          |  |  | <u> </u> | Date     |              |              |              |  | ] [ | Cla      | im       | Γ        |          |   |   | Date | 9        |          |   |        |
|----------|------------|--|--|----------|----------|--------------|--------------|--------------|--|-----|----------|----------|----------|----------|---|---|------|----------|----------|---|--------|
|          |            |  |  |          | Ť        | Ī            | Γ            |              |  | 1 1 |          |          |          |          |   |   |      |          |          |   |        |
| Original | 8/11/05    |  |  |          | l        |              |              |              |  |     | <u> </u> | Original |          |          |   |   |      |          |          |   |        |
| rigina   | 11         |  |  |          |          |              |              |              |  |     | Final    | īj       |          |          |   |   |      |          |          |   |        |
| 0        | 80         | Ì  |  | 1        |          |              |              |              |  |     |          | 0        |          |          |   |   |      |          |          |   |        |
| 1        | 1          | _  | <del>                                     </del> |          | ı        | $\vdash$     |              |              | <u> </u>   | 1 1 |          | 51       |          |          |   |   |      | _        |          |   |        |
| 2        | 1          |  | -  | _        | -        | _            |              |              |  | l l |          | 52       |          |          |   |   |      |          |          |   |        |
| 3        | V          | $\vdash$   | -  | $\vdash$ | $\vdash$ | -            | $\vdash$     |              |  | 1 1 |          | 53       |          |          |   |   | _    |          |          |   |        |
| 4        | V          | ┢╌   | <del>  -  </del>                                 | $\vdash$ | ┝        | $\vdash$     |              | $\vdash$     | $\vdash$   |     |          | 54       | -        | _        |   |   | _    |          |          |   | -      |
| 5        | i          | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | -            | $\vdash$     |              |  |     |          | 55       |          |          |   |   |      |          | _        | _ |        |
| 6        | V          | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |              |              | -            | $\vdash$   |     |          | 56       |          |          |   |   |      |          | -        |   |        |
| 7        | V          | <u> </u>   |  |          | ┝        |              |              | $\vdash$     | H  |     |          | 57       | Н        |          |   |   | _    |          |          |   |        |
| 8        | V          | $\vdash$   |  | Н        | H        | $\vdash$     | $\vdash$     |              |  | 1 1 |          | 58       |          |          |   |   |      | -        | _        |   |        |
| 9        | i          | $\vdash$   | $\vdash$   | $\vdash$ |          | -            | ├─           | -            | Ι  |     |          | 59       | Н        | -        |   | _ |      | -        | -        | - |        |
| 10       | i          | ┢  | $\vdash$   | ┢        | -        | ┝╌           | ├            | <del> </del> | <del>                                     </del> |     |          | 60       | -        |          |   | _ | -    | -        | -        | - |        |
| 11       | i          | -  | $\vdash$   |          | $\vdash$ | -            | ┢┈           | <u> </u>     | $\vdash$   | 1 1 |          | 61       | Н        | $\vdash$ | _ | _ | _    | -        | -        | - | _      |
| 12       | V          | ├─   | H  |          | H        |              | $\vdash$     | $\vdash$     | -  | 1   |          | 62       | Н        | -        | _ |   | _    | -        | -        | - |        |
| 13       | 1          | ┢  | $\vdash$   | ┢        | $\vdash$ | <del> </del> | H            | $\vdash$     | $\vdash$   | 1   |          | 63       | Н        |          | _ |   | _    |          | -        | - | _      |
| 14       | 1          |  | <del> </del>                                     | $\vdash$ | $\vdash$ | $\vdash$     | -            |              | <del> </del>                                     | 1 1 |          | 64       | Н        | -        |   |   | -    |          |          |   |        |
| 15       | V          | ┢  | -  | ┝        | -        | $\vdash$     | ╁╴           |              |  |     |          | 65       | $\vdash$ |          |   |   | -    | -        |          |   |        |
| 16       | 17         |  | <del> </del>                                     | ⊢        |          | $\vdash$     | -            | -            |  |     |          | 66       | Н        | -        | - | - |      |          |          |   |        |
| 17       | V          | $\vdash$   | ┢  | $\vdash$ | -        |              | -            | -            |  |     |          | 67       | Н        |          |   |   |      |          | _        |   |        |
| 18       | V          | $\vdash$   |  | $\vdash$ | -        | -            | -            | -            | _  |     |          | 68       | $\vdash$ |          |   |   |      |          |          |   |        |
| 19       | V          | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | -            | -            | -            |  |     |          | 69       |          |          |   |   |      | -        |          |   |        |
| 20       | V          | <del>                                     </del> | -  | ┢        | -        | ┢            | $\vdash$     |              |  |     |          | 70       | $\vdash$ |          |   | _ |      |          |          |   | -      |
| 21       | V          | $\vdash$   | -  | -        |          |              |              | -            |  |     |          | 71       | -        |          |   |   | -    | -        |          | _ |        |
| 22       | V          | $\vdash$   | H  | <u> </u> |          |              |              |              |  |     |          | 72       | H        |          |   | _ |      | -        | -        |   |        |
| 23       | 1          |  | $\vdash$   |          |          | $\vdash$     | _            | -            |  |     |          | 73       |          | _        |   |   | _    | -        |          | _ | -      |
| 24       | 寸          | $\vdash$   | $\vdash$   |          |          |              |              | -            |  |     |          | 74       |          |          |   |   |      |          |          |   | _      |
| 25       | 1          |  |  |          |          |              |              |              | -  |     |          | 75       |          |          |   |   |      |          |          |   |        |
| 26       | 1          |  | _  |          |          |              |              |              |  |     |          | 76       |          |          |   |   |      |          |          |   |        |
| 27       | 1          | _  |  |          |          |              |              |              |  |     |          | 77       |          |          |   |   | _    |          |          |   |        |
| 28       | 1          |  |  |          |          |              |              |              |  |     |          | 78       |          |          |   | _ |      |          | -        |   | _      |
| 29       | 1          |  |  |          |          |              |              |              |  |     |          | 79       |          |          |   |   |      |          |          |   |        |
| 30       | 1          |  | П  |          |          |              |              |              |  |     |          | 80       |          |          |   |   |      |          |          |   |        |
| 31       | 1          |  |  |          |          |              |              |              |  |     |          | 81       |          |          |   |   | _    |          |          |   |        |
| 32       | V          |  |  | Г        |          |              |              |              |  |     |          | 82       |          |          |   |   |      |          |          |   |        |
| 33       | 1          |  |  |          | Г        |              |              |              |  |     |          | 83       |          |          |   |   |      |          |          |   |        |
| 34       |            |  |  |          |          |              |              |              |  |     |          | 84       |          |          |   |   |      |          |          |   |        |
| 35       |            |  |  |          |          |              |              |              |  |     |          | 85       |          |          |   |   |      |          |          |   |        |
| 36       |            |  |  |          |          |              |              |              |  |     |          | 86       |          |          |   |   |      |          |          |   |        |
| 37       |            |  |  |          |          |              |              |              |  |     |          | 87       |          |          |   |   |      |          |          |   |        |
| 38       |            |  |  |          | <u> </u> |              |              |              |  |     |          | 88       |          |          |   |   |      |          |          |   |        |
| 39       |            |  |  |          |          |              |              |              |  |     |          | 89       |          |          |   |   |      |          |          |   |        |
| 40       |            |  |  |          | <u> </u> |              |              |              |  |     |          | 90       | Ш        |          |   |   |      |          |          |   |        |
| 41       |            |  |  | <u>L</u> | _        | Щ            |              |              | _  |     |          | 91       |          |          |   |   |      |          |          |   |        |
| 42       |            |  | L  |          | <u> </u> |              |              | _            |  |     |          | 92       | Ш        | _        |   |   |      |          |          |   |        |
| 43       | $\sqcup$   |  | Ш  | <u> </u> | L_       |              |              |              | <u> </u>   |     |          | 93       | Ш        |          |   |   |      |          | Щ        |   |        |
| 44       | <u> </u>   | _  | L_   |          | L        |              | _            |              |  |     |          | 94       |          |          |   |   |      |          | L        |   |        |
| 45       | <u> </u>   |  |  | <u> </u> | L        | L            | $oxed{oxed}$ | <u> </u>     |  |     |          | 95       | Ш        |          |   |   |      |          | $\sqcup$ |   | Щ      |
| 46       | <b>!</b>   | L_   | Ш  | <u> </u> | L        | L_           |              | $\vdash$     | ldash  |     |          | 96       | Щ        | $\vdash$ |   |   |      |          |          | Щ |        |
| 47       | <b> </b> _ | <u> </u>   | Ш  | _        | <u> </u> | <u> </u>     |              |              | L_   |     |          | 97       | Ш        |          |   |   |      |          | Ь        | Ш |        |
| 48       | <b>├</b>   | <u> </u>   | $\vdash$   | <u> </u> | <u> </u> | Щ            | <u> </u>     | <u> </u>     | Ш  |     |          | 98       | Щ        | <u> </u> |   | _ | L.,  | Щ        | Щ        | Щ |        |
| 49       | ├-         | <u> </u>   | $\vdash$   | <u> </u> | <u> </u> | _            | <b> </b>     | -            | _  |     |          | 99       | Щ        | Щ        |   |   | _    | <u> </u> | Щ        |   | $\Box$ |
| 50       | L          |  |  |          | نــــا   |              | L            |              |  | 1 ( |          | 100      | Ш        |          |   |   | L    | L        | Ш        |   |        |

| Cl    | aim                      | Date     |              |  |              |              |              |          |          |          |  |
|-------|--------------------------|----------|--------------|--|--------------|--------------|--------------|----------|----------|----------|--|
|       |                          | -        | Ι            | Ι  |              | Jak          | <u> </u>     | Г        | Г        | $\vdash$ |  |
| Final | Original                 |          |              |  |              |              |              |          |          |          |  |
|       | 101                      |          |              |  |              |              |              |          |          |          |  |
|       | 101<br>102               |          |              |  |              |              |              |          |          |          |  |
|       | 103                      |          |              |  |              |              |              |          |          |          |  |
|       | 104                      |          | _            |  |              | <u> </u>     |              |          | L        | Ш        |  |
|       | 105                      |          | _            |  |              | _            |              |          |          | Ш        |  |
|       | 103<br>104<br>105<br>106 |          |              |  |              |              |              |          | <u> </u> |          |  |
|       | 107                      |          | <u> </u>     |  | <u> </u>     | <u> </u>     | _            |          | _        |          |  |
|       | 108<br>109               | _        | <u> </u>     |  | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> | Ш        |  |
|       | 109                      | $\vdash$ |              | _  | <u> </u>     | <u> </u>     | _            | ļ        |          | Ш        |  |
| -     | 110                      |          |              |  | ├—           | -            | L            |          | <u> </u> |          |  |
|       | 111                      |          |              |  | <del> </del> | ⊢            | <u> </u>     |          | <u> </u> | $\vdash$ |  |
|       | 112                      | ┝        |              | ┝  | ├            | <u> </u>     | -            | <u> </u> | -        | Н        |  |
|       | 113<br>114<br>115        |          |              | -  |              | <u> </u>     | -            | -        | ┝        | -        |  |
|       | 115                      | _        | -            |  | -            |              | -            | -        | -        |          |  |
|       | 116                      |          |              |  | ├            |              |              | -        | -        | -        |  |
|       | 117                      | $\vdash$ | $\vdash$     |  | $\vdash$     |              | $\vdash$     | -        |          | $\dashv$ |  |
|       | 116<br>117<br>118        |          | $\vdash$     |  | $\vdash$     |              | $\vdash$     |          |          | $\vdash$ |  |
|       | 119                      |          | $\vdash$     |  | ┝            |              | $\vdash$     |          | _        | -        |  |
|       | 119<br>120               | H        | <del> </del> |  | -            | -            | -            | -        | -        |          |  |
|       | 121                      |          | $\vdash$     |  |              | _            | $\vdash$     | -        |          |          |  |
|       | 121<br>122<br>123        |          |              |  |              |              | $\vdash$     |          |          |          |  |
|       | 123                      |          | $\vdash$     | <u> </u>   | _            |              | <u> </u>     |          |          |          |  |
|       | 124<br>125<br>126        | -        | ┢            |  | $\vdash$     |              |              |          |          |          |  |
|       | 125                      |          |              |  |              |              |              |          |          |          |  |
|       | 126                      |          |              |  |              |              |              |          |          |          |  |
|       | 127                      |          |              |  |              |              | _            |          |          |          |  |
|       | 127<br>128               |          |              |  |              |              |              |          |          |          |  |
|       | 129                      |          |              |  |              |              |              |          |          |          |  |
|       | 130                      |          |              |  |              |              |              |          |          |          |  |
|       | 131                      |          |              |  |              |              |              |          |          |          |  |
|       | 132<br>133               | _        |              |  | Ш            | L.           | L            |          |          |          |  |
|       | 133                      |          |              |  |              |              |              |          |          |          |  |
|       | 134                      |          |              | _  |              | <u> </u>     |              |          |          |          |  |
|       | 135<br>136               |          |              | <u> </u>   | Ш            | _            |              |          |          |          |  |
|       | 136                      |          |              | _  | $\vdash$     |              |              | Ш        | _        |          |  |
|       | 137                      |          |              | _  |              | _            | _            |          |          | _        |  |
|       | 138                      |          | _            | <u> </u>   |              | <u> </u>     | L            | _        | _        |          |  |
|       | 139<br>140               |          |              | <u> </u>   | <u> </u>     | _            | -            | _        |          |          |  |
|       |                          |          | _            | -  | $\vdash$     |              | H            | _        | _        |          |  |
|       | 141<br>142               |          | _            | ┝  |              |              | <u> </u>     |          |          | _        |  |
|       | 143                      |          |              | -  |              |              |              | -        | _        | -        |  |
|       | 144                      | H        | -            | $\vdash$   | H            | $\vdash$     | -            | H        | -        |          |  |
|       | 145                      |          | -            | ├  | -            | <del> </del> | <del> </del> | ├        |          |          |  |
|       | 146                      | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ |  |
|       | 147                      |          | -            | <del>                                     </del> | Н            | $\vdash$     | -            | Η-       | ┢        |          |  |
|       | 148                      |          | $\vdash$     | -  | $\vdash$     | <del></del>  | $\vdash$     |          | -        |          |  |
|       | 149                      | -        | -            | -  | -            |              |              |          | -        |          |  |
|       | 150                      |          | $\vdash$     | $\vdash$   | $\vdash$     |              | $\vdash$     | Н        | _        |          |  |
|       | .50                      | L        |              | Щ.   | Ц            |              | Щ.           | Щ.       | _        | لـــا    |  |